

ABSTRACT OF THE DISCLOSURE

In a reaction chamber, which constitutes a component of a process installation for obtaining foodstuffs or foodstuff components, biological products in harvested form that are whole or in pieces are subjected to pulsed electric fields as they  
5 pass through said reaction chamber, said electric fields forming pores in the cell walls so as to irreversibly open the latter, thus making the content of the cells more easily accessible. This is achieved by electrode groups, which can be energized to a high voltage and are located in the wall of a longitudinal  
10 passage of the reactor through which the process material is moved past grounded electrodes located in an opposing longitudinal wall area. Each electrode group is connected to an electric energy accumulator such as for example, a Marx generator, by means of a switch, in order to rapidly establish  
15 electric fields of multiple directions between the charged and the grounded electrodes.